Stellingen

behorende bij het proefschrift:

Verification of a Novel Calorimeter Concept for Studies of Charmonium States

van

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1. Charmonium spectroscopy is a powerful tool to complete the understanding of the strong interaction.

2. The upcoming PANDA experiment will provide unique opportunities to obtain precise data for the understanding of hadronic bound states and resonances, the generation of exotic quark-gluon structures, and the importance of QCD symmetries.

3. The study of the quark-gluon plasma will help to explain the evolution of the Universe after the Bing Bang and the existence of non-symmetry between anti-matter and matter.

4. The Higgs boson is often referred to as "God particle" in popular articles, which is an overstatement since its discovery would still leave unanswered questions.

5. The trigger-less approach to the data acquisition in the future PANDA experiment is an innovative and challenging task and may become a new standard to handle huge data rates.

6. Maintaining the PANDA calorimeter crystals at a constant and homogeneous temperature of -25 ^{O}C will be a big challenge during long experimental periods.

7. Physics is the art of reasonable approximation.

8. Wealth of a country is directly proportional to the quality of its scientific research.

9. The Dutch research strategy is more application oriented in comparison to research in Azerbaijan.

10. The weather forecast in The Netherlands is rather reliable, although the weather shows strong fluctuations: the same day may display all the seasons.